

AMENDMENT TO THE CLAIMS

Please amend claims 1, 3, 7, 9, 11, 17, and 19 as shown below.

Please add new claims 25-31.

1. (Currently Amended) A call context processor, comprising:
a header extractor ~~that extracts~~ configured to extract a header from information extracted from initial call establishment negotiation;
a header compressor ~~that compresses~~ configured to compress relevant portions of the extracted header and to discard irrelevant portions of the extracted header; and
an identification module ~~that establishes~~ configured to establish context identification using the compressed relevant portions of the header.
2. (Original) The call context processor of claim 1, wherein the identification module associates the context identification with a bearer channel of a call established from the initial call establishment negotiation.
3. (Currently Amended) The call context processor of claim 1, wherein the header compressor does not compress the irrelevant portions of the extracted header ~~fields of the header not transmitted with a payload~~.
4. (Original) The call context processor of claim 1, wherein the header compressor compresses only a payload type header field.
5. (Original) The call context processor of claim 1, the header being an RTP, UDP, IP header.
6. (Original) The call context processor of claim 1, wherein the call context processor extracts information by processing a create connection message and an associated session data protocol header from the initial call establishment negotiation.

7. (Currently Amended) A transmission network, comprising:
a network; and
a base connected to the network that includes a call context processor,
the call context processor comprising:

a header extractor ~~that extracts~~ configured to extract a header from
information extracted from initial call establishment negotiation;

a header compressor ~~that compresses~~ configured to compress
relevant portions of the extracted header and to discard irrelevant portions of the
extracted header; and

an identification module ~~that establishes~~ configured to establish
context identification using the compressed relevant portions of the header.

8. (Original) The transmission network of claim 7, wherein the base
transfers data to a remote unit via airlink access.

9. (Currently Amended) A call context processing method,
comprising:

extracting a header from information extracted from initial call
establishment negotiation;

compressing relevant portions of the extracted header;

discarding irrelevant portions of the extracted header; and

establishing context identification using the compressed relevant portions
of the header.

10. (Original) The call context processing method of claim 9, further
comprising associating the context identification with a channel of a call established
from the initial call establishment negotiation.

11. (Currently Amended) The call context processing method of claim
9, ~~wherein header fields of the header not transmitted with a payload are not~~

compressed further comprising transmitting a payload and the relevant portions of the extracted header to a remote unit.

12. (Original) The call context processing method of claim 9, wherein only a payload type header field is compressed.

13. (Original) The call context processing method of claim 9, the header being an RTP, UDP, IP header.

14. (Original) The call context processing method of claim 9, wherein extracting information from initial call establishment negotiation, and establishing the context identification are performed at a base of a transmission network.

15. (Original) The call context processing method of claim 14, wherein a remote unit accesses the base via airlink.

16. (Original) The call context processing method of claim 9, wherein extracting information comprises processing a create connection message and an associated session data protocol header from the initial call establishment negotiation.

17. (Currently Amended) A machine-readable medium having stored thereon a plurality of executable instructions, the plurality of instructions comprising instructions to:

extract a header from information extracted from initial call establishment negotiation;

compress relevant portions of the extracted header;

discard irrelevant portions of the extracted header; and

establish context identification using the compressed relevant portions of the header.

18. (Original) The machine-readable medium of claim 17, having stored thereon additional executable instructions, the additional instructions comprising instructions to associate the context identification with a channel of a call established from the initial call establishment negotiation.

19. (Currently Amended) The machine-readable medium of claim 17, ~~wherein header fields of the header not transmitted with a payload are not compressed~~ further comprising instructions to transmit a payload and the relevant portions of the extracted header to a remote unit.

20. (Original) The machine-readable medium of claim 17, wherein only a payload type header field is compressed.

21. (Original) The machine-readable medium of claim 17, the header being an RTP, UDP, IP header.

22. (Original) The machine-readable medium of claim 17, wherein extracting information from initial call establishment negotiation, and establishing the context identification are performed at a base of a transmission network.

23. (Original) The machine-readable medium of claim 22, wherein a remote unit accesses the base via airlink.

24. (Original) The machine-readable medium of claim 17, wherein the instructions to extract information comprises instructions to process a create connection message and an associated session data protocol header from the initial call establishment negotiation.

25. (New) A call processing method, comprising:
extracting a header from information extracted from initial call establishment negotiation;

combining relevant portions of the extracted header and a payload portion;
and

transmitting the relevant portions of the extracted header and the payload portion to a remote unit.

26. (New) The method of claim 25, further comprising compressing the relevant portions of the extracted header.

27. (New) The method of claim 26 wherein compressing the relevant portions of the extracted header is performed prior to combining the relevant portions of the extracted header with the payload portion.

28. (New) The method of claim 25, further comprising establishing a cal context using the relevant portions of the extracted header.

29. (New) The method of claim 25 wherein the relevant portions of the extracted header are required for transmission of the payload to the remote unit.

30. (New) The method of claim 25 wherein irrelevant portions of the extracted header are not transmitted to the remote unit.

31. (New) The method of claim 30 wherein the irrelevant portions of the extracted header are not required for transmission of the payload to the remote unit.